

DERWENT-ACC-NO: 1981-02018D
DERWENT-WEEK: 198103
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TITLE: Isomerisation of isolated double bonds in
1,3-diene polymers - into
conjugated double bonds by heating with an alkali
alcoholate as isomerisation
catalyst

PATENT-ASSIGNEE: CHEM WERKE HUELS AG[CHEM]

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1979DE-2924598 (June 19,
1979)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
BE 883894 A	December 18, 1980	N/A
000	N/A	
AT 8003216 A	September 15, 1981	N/A
000	N/A	
DE 3003894 A	August 13, 1981	N/A
000	N/A	
FR 2459251 A	February 13, 1981	N/A
000	N/A	
GB 2054606 A	February 18, 1981	N/A
000	N/A	
JP 56004616 A	January 19, 1981	N/A
000	N/A	
SE 8004531 A	January 26, 1981	N/A
000	N/A	

INT-CL (IPC): C08C019/10; C08F008/48 ; C08F036/02

ABSTRACTED-PUB-NO: BE 883894A

BASIC-ABSTRACT: Isolated double bonds in 1,3-diene
homopolymers and/or
copolymers, are isomerised into conjugated double bonds at
temps. of up to 250
deg.C in the presence of an alkali alcoholate as
isomerisation catalyst and
opt. in a solvent.

Pref. isomerisation catalysts are Na and/or K salts of monohydric 1-20C (cyclo)aliphatic alcohols. The isomerisation may be carried out at 0-150 deg.C in the presence of a highly polar aprotic cpd. such as DMF, DMSO or N-methylpyrrolidone, in addn. to the catalyst.

The process is esp. useful for treatment of relatively low mol.wt. polybutadienes to give prods. contg. a high proportion of cis-1,4 units, with a low gel content and low alkali metal ion content. The prods. have improved drying properties and are esp. useful in the prodn. of coating compsns.

TITLE-TERMS:

ISOMER ISOLATE DOUBLE BOND DI ENE POLYMER CONJUGATE DOUBLE BOND HEAT ALKALI ALCOHOLATE ISOMER CATALYST

ADDL-INDEXING-TERMS:

POLYDIENE

DERWENT-CLASS: A12

CPI-CODES: A04-B01A; A10-E;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0037 0040 0043 0046 0049 0052 0214 0224 0229
2022 2039 2065 2198
2207 2583 2584 2585 2718 1059 1060 1093 1097 1100 1104 0306
1095
Multipunch Codes: 011 03- 034 06- 075 09& 09- 10& 10- 117
15& 17& 231 250 263
276 351 359 44& 477 575 583 585 587 588 589 688 689 724 011
03- 039 06- 075 09&
09- 10& 10- 117 122 123 15& 17& 231 250 263 276 351 359 44&
477 575 583 585 587
588 589 688 689 724 011 03- 034 055 056 06- 075 09& 09- 10&
10- 117 122 15& 17&
231 250 263 27& 276 351 359 44& 477 575 583 585 587 588 589
689 724